CMS Simulation (LHE) 13 TeV 0.04 Fraction of events / 0.1 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2 \gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ m_{γ_D} = 0.275 GeV, $c\tau_{\gamma_D}$ = 2. mm — 1st muon (leading p_⊤) --- 2nd muon --- 3rd muon 0.03 - · - 4th muon 0.02 0.01 -3 3 -5